

DEPARTMENT OF TRANSPORTATION -Toll Bridge Program

333 Burma Rd.

Oakland, CA 94607

(510) 622-5660, (510) 286-0550 fax

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May 27, 2010

Contract No. 04-0120F4

04-SF-80-13.2 / 13.9

Self-Anchored Suspension Bridge

Letter No. 05.03.01-007477

Michael Flowers
Project Executive
American Bridge/Fluor, A JV
375 Burma Road
Oakland, CA 94607

Dear Michael Flowers,

Tower Anchorage Grouting Plan

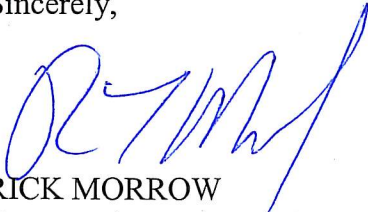
The Department is in receipt of ABF-CAL-LTR-001385, "Caltrans requested Change to the Tower Anchorage Grouting Plan," dated April 9, 2010, and ABF-CAL-LTR-001389, "Correction to ABF-CAL-LTR-001385," dated April 16, 2010. Both letters refer to discussions held at the Working Drawing Campus on April 1 and 8, 2010. The Department understands that ABF desires to make modifications to the previously approved grouting plan, submitted via ABF-SUB-001258R01, which will allow the work to be performed more quickly and simply. The Department concurs with the approach presented in subsequent meetings.

As discussed, the anchor rod grouting will be performed after completion of the tower base grouting and after the anchor rods have been properly aligned and tensioned. Grouting will be performed as outlined on Sheet 598R03 of 1204 of the contract plans, so that the anchor rod grout fills the sleeve in the footing. The Department will include the changes that have resulted from revisions to the grout type and the addition of plastic alignment bolts in CCO 36S1. In addition, CCO 36S1 will include tower skirt grout changes, polyurethane seal, and a spare 120mm plate from ZPMC, as well as other details as discussed.

Items 3 and 4 of ABF-CAL-LTR-001385 discuss research and development for a grout-tight seal around the anchor bolt pipe sleeves/plastic alignment bolts, and a suitable product to replace the self-leveling nonshrink polyurethane sealer called for on the CCO 36S1 plan sheets transmitted to ABF on January 15, 2009. The Department understands that a grout seal using a grouted pad and neoprene, similar to that planned for the dowels, will be used for the anchor rods. As for the material used to fill the remaining annulus around the rods, the only requirements are that it is soft and that it excludes heavy debris and water from the area between the tower base plate and the anchor bolt. SikaFlex 2CSL or an insulating foam sealant are examples of acceptable materials.

The Department will continue to work with ABF to finalize any issues arising related to the tower grouting. Please contact Mark Woods or Rick Morrow if there are any questions.

Sincerely,



RICK MORROW
Construction Manager (Tower)

For: GARY PURSELL
Resident Engineer

cc: Mark Woods
Kannu Balan
file: 05.03.01, 49.036, 55.1258